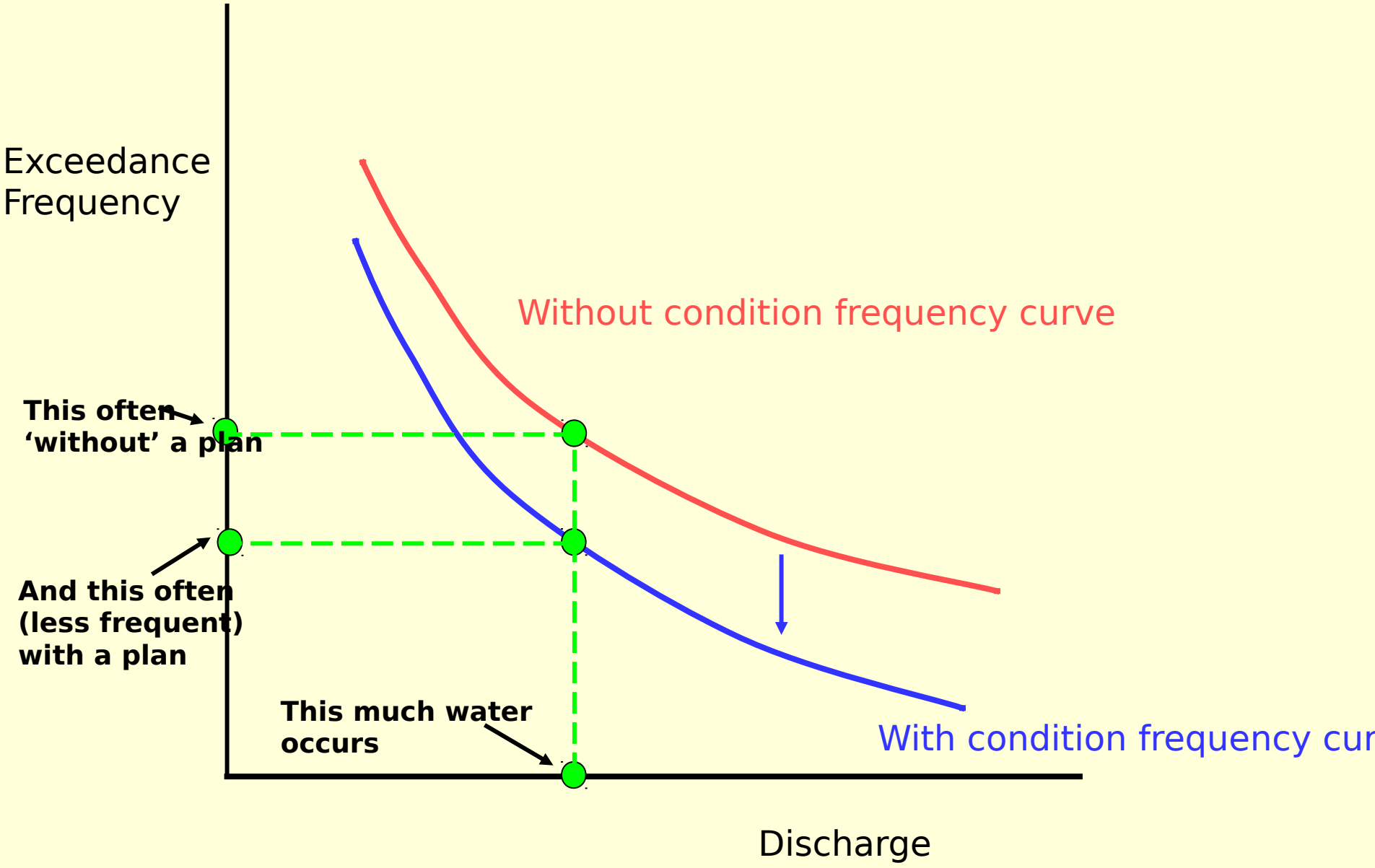
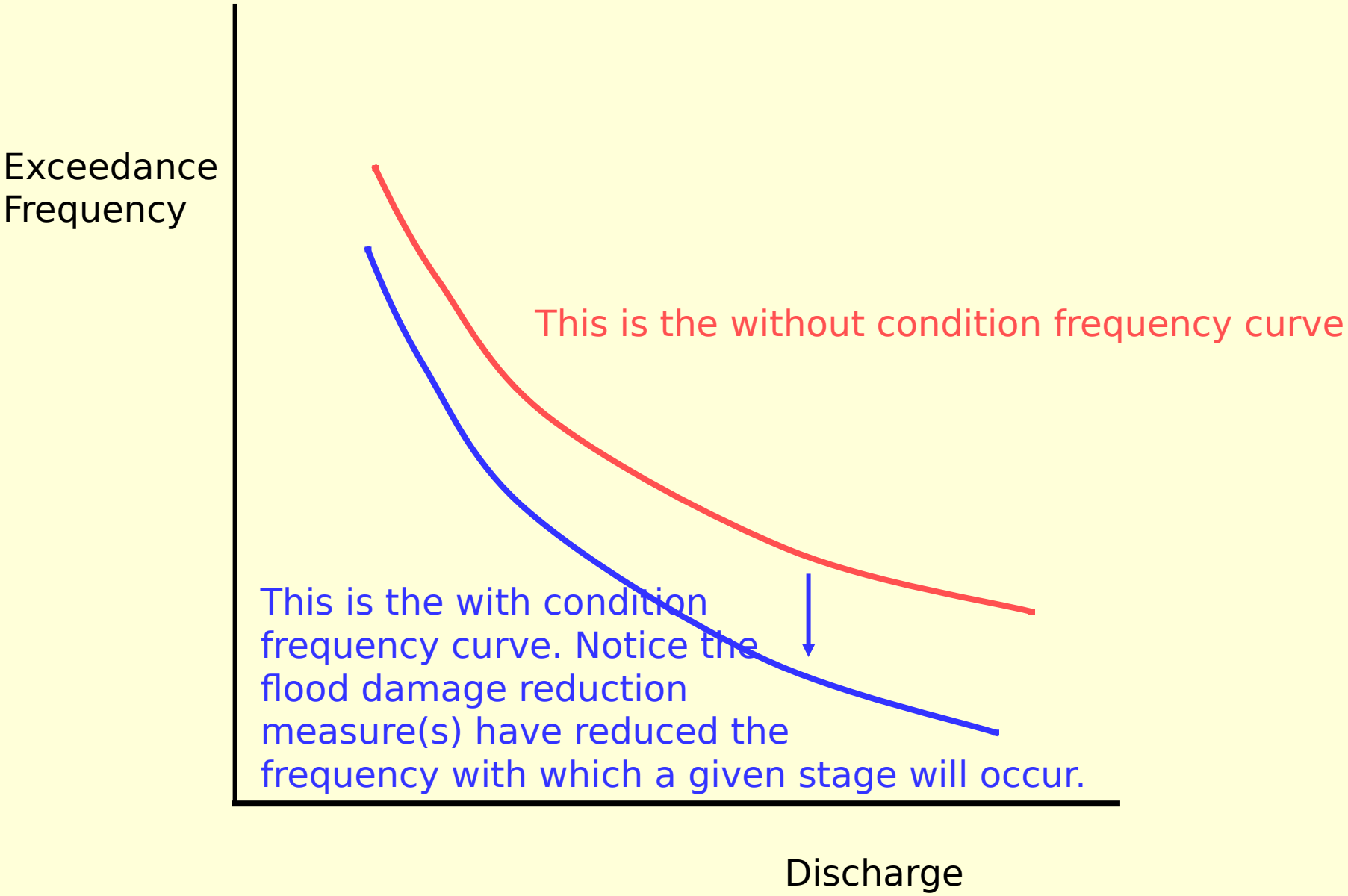

Exceedance Frequency
Without condition frequency curve
This often ‘without’ a plan
And this often (less frequent) with a plan
This much water occurs
With condition frequency cur
Discharge


Exceedance Frequency
This is the without condition frequency curve
This is the with condition frequency curve. Notice the flood damage reduction measure(s) have reduced the frequency with which a given stage will occur.
Discharge

Other measures affect the frequency-discharge curve.

What sorts of flood damage reduction measures might ‘reduce’ the frequency curve?

- Reservoirs
- Detention ponds
- Wetland preservation
- Set-back regulations/buffers
- Riparian area protection
- Best management practices
- Erosion and sediment control